



ALLTER

ALTERNATE
CORROSION
PREVENTION
SYSTEMS



Allter-Seal™ 100 HB

PRODUCT DATA SHEET

Selection and Specification Data

Generic Type	One component, solvent free elastomeric coating
Product Description	Allter-Seal™ 100 HB is a solvent free, isocyanate free and plasticizer free, high performance one component elastomeric topcoat, membrane and sealer with excellent film-build capabilities and weatherability. This coating can be used on top of all Visco-Rite™ corrosion barrier materials for atmospheric services where an excellent UV resistance, permanently flexible, and durable finish is required. Allter-Seal™ 100 HB can also be used as a water vapor permeable membrane on substrates with entrapped water such as concrete, screeds, wood etc. and as a seamless waterproofing membrane as replacement for traditional insulation jacketing on solid insulation.
Features	<ul style="list-style-type: none">• Solvent free, isocyanate- and plasticizer free material• Excellent UV resistance and color retention• Permanently flexible and crack-bridging properties• High-build capabilities with brush, roller and Airless• Can be embedded with a non-woven fabric for higher film thickness• Very good resistance to industrial gasses• Excellent resistance to water, salt water and wastewater• Flame retardant properties• Service temperature from -40up to 120°C (-40 up to 248°F)• Application and curing down to 1°C (34°F)
Color	White, Light grey (other limited colors on request)
Finish	Eggshell
Primer	Self-priming on Visco-Rite™ (other substrates may require a primer)
Dry Film Thickness	200-250micron (8-10 mils) per coat (brush and roller). 400-500micron (16-20 mils) per coat (Airless).
Volume Solids	100%

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Theoretical Coverage Rate 4.0m²/l at 250micron DFT (163.0 ft²/gal at 10 mils)
2.0m²/l at 500micron DFT (81.5 ft²/gal at 20 mils)

VOC 0 g/l (0.00 lbs/gal)

Temperature Resistance -40 up to 120°C (-40 up to 248°F)

Topcoats Allter-Seal™100HB

Substrate and Surface Preparation

General Remove all dirt, grease and any other contaminants that can reduce adhesion according SSPC-SP1 solvent cleaning.

Mixing and Thinning

Mixing Allter-Seal™ 100 HB is a one component product. Power mixer until uniform in color. Use low speed mechanical mixing equipment.

Thinning No thinning. Ready to use material.

Application Equipment

General The following information can be used as a guideline to apply the coating system. Site conditions may require modifications in spray pressure and tip sizes.

Airless spray A minimum 45:1 pump ratio, with a minimum 3/8" ID material hose, 0.019-0.024" tip size and 200-220 bar (2900-3190 psi) pressure. Remove all filters.

Brush and roller Use a natural bristle brush and apply the material in full strokes. Avoid re-brushing. If rolled, use a short nap roller with solvent resistant core. Avoid rerolling.

Application Conditions

	Condition	Material	Surface	Ambient	Rel. Humidity
	Minimum	5°C (41°F)	5°C (41°F)	1°C (34°F)	0%
	Maximum	30°C (86°F)	50°C (122°F)	50°C (122°F)	90%
This material requires the substrate temperature to be 3°C (5°) above dew point					

Curing Schedule				
	Temperature	Touch dry	Dry to recoat	Final Cure
	5°C (41°F)	12 hours	24 hours	7 days
	15°C (59°F)	6 hours	16 hours	6 days
	20°C (68°F)	4 hours	12 hours	5 days
	30°C (86°F)	3 hours	10 hours	4 days

Note: Drying times can vary upon different environmental conditions. Material should be applied within the supplied parameters to ensure drying and recoat times are respected. This material has an unlimited recoat time, even after exposure at elevated temperatures.

Cleanup Use Thinner 100HB

Allter-Seal™ 100 HB

Safety

This material is for professional use only. Please observe the precautionary information on the safety data sheets (SDS) and label on the containers before using this material. Use of this material must be kept in compliance with local health, safety and environmental conditions and regulations.

Packaging, Handling and Storage

Shelf life Maximum 12 months at 23°C (73°F)

Storage temperature and humidity 4 - 40°C (39-122°F).
90%.

Storage Material should be stored indoors, clean and dry, kept away from direct sunlight.

Shipping weight 4.28 litres (6.0 kg) 1.13 Gallon (13.22 lbs).
Other packaging sizes on request.

Flash point (ISO 1523) NR

DATE: January 2020

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